

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: November 24, 2004

Inspector: Chuck Gidman

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Based on different records, the area received a total between 0.42" to 0.74" of precipitation over a span of four days since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads and Adjacent Roadways	-The landscaped areas have been hydroseeded which has helped with sediment tracking, however a buildup of sediment and wood chips was noted at a flared inlet near the Route 7 ramp. 11/24/04	-The hydroseed will serve as a good stabilizer and reduce sedimentation. 11/24/04 - The inlet should be cleared of buildup and protected with a haybale if this does not block drainage. 11/24/04
Foundation construction	- Very little earth disturbance is occurring on site. Crushed stone has been spread completely in the vicinity of retaining wall #2 11/24/04	- All areas are well contained and had very minor amounts of exposed sediment. 11/24/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence can be removed from the river side of the overflow channel where vegetative cover is sufficient. However, it should remain at the ends of the overflow channel where vegetative has not fully established. 11/24/04	- Continue to be proactive in silt fence repair and maintenance where needed. Fence can be removed from areas with sufficient cover.
	- One spot of fence near wall #5 could use reinforcement or repair as it is under strain from sedimentation 9/23-11/24/04	- Fence should be reinforced in this location before winter if practicable, however it does not pose much of a problem. 11/24/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls continued	-The areas around the recent landscaping and the overflow channel has been hydroseeded well. This includes all the soil along the top and sides of the channel and the ditch along Rt. 7 ramp. 11/24/04.	- The hydroseeding should be a good solution for some stabilization over the winter as a tackifier and mulch is included in the mix. 11/24/04
	- Some build up of sediment and wood chips was noted at a flared inlet near the Rt 7 ramp as a result of the adjacent landscaping. 11/24/04	- The buildup should be cleared away and a haybale could be placed here if it does not hinder drainage. 11/24/04
	- The topsoil stockpile remains well contained and is about ½ its original size after use. 11/24/04	- The pile remains accessible for use. 11/24/04
Inland Wetland and Watercourse encroachment and mitigation	- The areas surrounding the overflow channel and any bare soil along the slopes were hydroseeded. This should serve as a sufficient stabilizer for winter. 11/24/04	-Silt fence could be removed from areas with sufficient cover. Continue to monitor areas 11/24/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	-Some plantings along the channel were flagged for damage to see how they survive the winter. New evergreen/conifer plantings are in place at the yard's perimeter. 11/18-11/24/04	- The plantings will be evaluated for any permanent damage in the spring and hydroseed was placed as ground cover here. 11/24/04
Dewatering	- Dewatering activities are complete at this time.	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time and it is not anticipated to be necessary.	- None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week. - There were no drips observed under the equipment during the inspection. The soil under the Galion from the previous week had been removed and disposed of. 11/24/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - As previously noted, new road work, has been identified on the bridge on Broad Street to the north. 9/10-11/24/04 - The island or bank on which the bridge footing was located is mostly bare of vegetation. 	<ul style="list-style-type: none"> - The work is unrelated to the Norwalk substation but should be noted as it is occurring in the adjacent area and could be a potential off-site sedimentation source. 9/10-11/24/04

Next likely scheduled inspection:

Thursday December 2, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden for Chuck Gidman

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Date: November 24, 2004

Inspector: Chuck Gidman

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Based on different records, the area received a total between 0.42" to 0.74" of precipitation over a span of four days since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 11/24/04	- None at this time. 11/24/04
Foundation construction	<p>-The major work of placing equipment on the recently constructed slab is ongoing. This involves almost no soil disturbance. 11/04-11/24/04</p> <p>- Some minor excavation may be proposed next week for further connections to the concrete pad. 11/24/04</p> <p>- The trench open last week has been competed and backfilled. 11/24/04</p>	- The areas are still well contained at this time. Little future ground disturbance/civil work is proposed. 10/21-11/24/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- Crushed stone has been placed around the new footings in the remaining bare areas. 11/24/04	- None at this time 11/24/04
	- The site did not show any evidence of any runoff or soil migration from the site. Portions of the site remain muddy. 11/24/04	- None at this time 11/24/04

Areas of Inspection	Observation	Recommended Action
	- There is no silt fence in place at this time, however any stockpiles are covered in plastic following the end of each work day. 9/16-11/24/04	-All areas are well-contained and there is no sedimentation near any off site areas. 11/24/04
	- The stone perimeter berm is well in place and contains the yard. It effectively prevents any turbid water from leaving the site. 11/24/04	- The berm is working well at this time. Continue to monitor for any trouble spots. 11/24/04
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard. Work is fairly close to the perimeter fence but there is no noted sedimentation to the wetland area. 9/10-11/24/04	- The stone berm around the perimeter of the yard continues to prevent sedimentation and water from leaving the site and getting to the wetland edge. 9/23-11/24/04
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering on site is not occurring or necessary at this time. It will resume if rains or excavation cause it to become necessary 10/29-11/24/04	- None at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	- There were no spills reported during the week or noted on site during the inspection. There are few pieces of machinery on site at this time. 11/24/04	- The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid

Areas of Inspection	Observation	Recommended Action
		leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

Next likely scheduled inspection:

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Inspector's Signature:

Diana Walden fro Chuck Gidman